

FILE NOTATIONS

Entered in NID File

☒

Checked by Chief

☒

Entered On S R Sheet

☒

Copy NID to Field Office

☒

Location Map Pinned

☒

Approval Letter

☒

Can I Indexed

☒

Disposal of Letter

IWR for State or Fee Land

☐

COMPLETION DATA:

Date Well Completed

25-58

Location Inspected

☐

OW

WW

TA

Bonded and

☐

GW

OS

PA

X

State of Fee Land

☐

LOGS FILED

Driller's Log

37258

Electric Logs (No.)

4

E

I

E-I

☒

GR

GR-N

☒

Micro

☒

Lat

Mi-L

Sonic

☒

Others

☐

Sub Deeping Hole

Scout report sent out

Noted in the NID File

Location map pinned

Approval or Disapproval Letter

Date Completed, P. & A. or
operations suspended

Pin changed on location map

Affidavit and Record of A & P

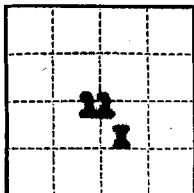
Water Shut-Off Test

Gas-Oil Ratio Test

Well Log Filed

<input checked="" type="checkbox"/>
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(SUBMIT IN TRIPLICATE)

Indian Agency NavajoUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYAllottee Tribal LandsLease No. 14-30-603-246

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

December 3, 1957

North Desert Creek

Well No. 33-11 is located 1873 ft. from S line and 3452 ft. from NE line of sec. _____

<u>SE 11</u> (1/4 Sec. and Sec. No.)	<u>413</u> (Twp.)	<u>23E</u> (Range)	<u>SLRM</u> (Meridian)
<u>Patherford</u> (Field)	<u>San Juan</u> (County or Subdivision)	<u>Utah</u> (State or Territory)	

The elevation of ~~the bottom of the well~~ is 4455 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Proposed Work:

1. Drill 12-1/4" hole to 1400'±.
2. Cement 8-5/8" casing at 1400'± with 400 sacks treated cement.
3. Drill 7-7/8" hole to 5450'±.
4. Cement 5-1/2" casing at 5450'± with 200 sacks treated cement.
5. Clean out to 5435'±.
6. Perforate four 1/2" holes/ft. in intervals, determined by logs.
7. Run tubing with Production packer, side door nipple circulating head and tail with perforated nipple as directed.
8. Acidise in two stages with 500 gal. mud acid, 1000 gal. YFW and 3000 gal. Retarded Acid.
9. Gamb well into production and establish rate.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil CompanyAddress 101 South Behrend
Farmington, New MexicoOriginal signed by
By R. S. MacALISTER, JR.
R. S. Mac Alister, Jr.
Title Division Exploitation Engineer

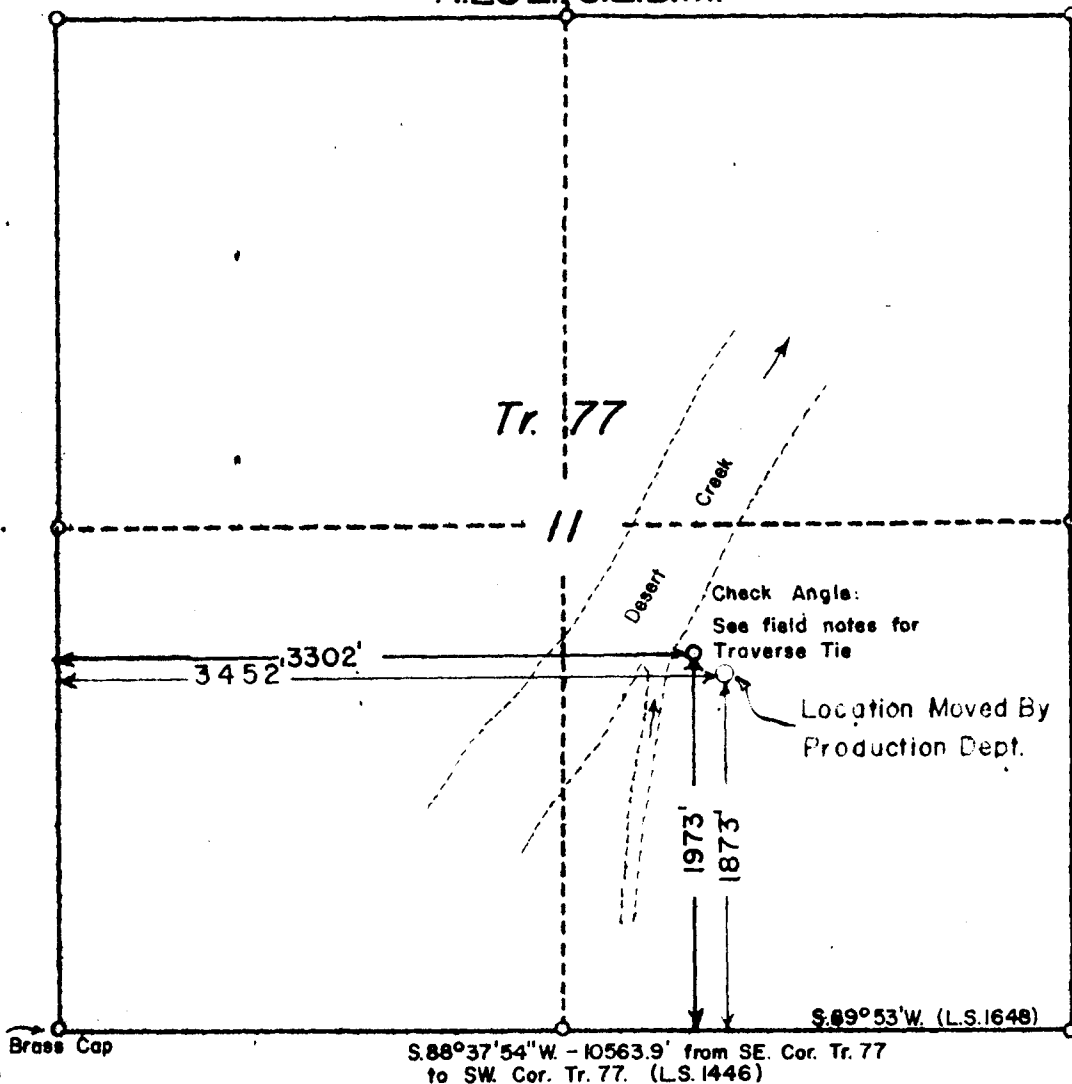
R.23E. S.L.B.M.

T.41S.

Tr. 77

N

Found



ELEVATION DATA

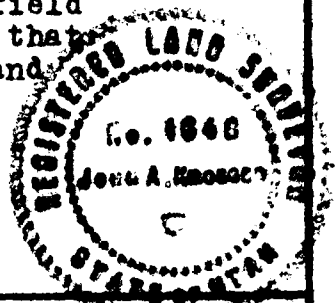
GROUND 4440 U.G.
MATT
D.F.
K.B.
B.M. 4436.1

REFERENCE POINT DATUM-

1"x2" STAKES SET AT 10' N., S., E., & W. OF LOC.
1"x2" stake and 3' flag set at 200'S., E., W., and 347'N. of Loc.
1"x4" angle iron stake set at Loc. being 3302'E. and 1973' N. of the SW Cor. of Sec. 11, Tr. 77, T.41S., R.23E., S.L.B.M.
1"x2" hub and 3' flag bears North 347' from the Loc. for B.M.

This is to certify that the above plat was prepared from field notes of an actual survey made under my supervision, and that the same is true and correct to the best of my knowledge and belief.

John A. Kroeger
John A. Kroeger, L.S.
Utah Reg. No. 1648



Drawn By: A.C.T.

Checked By: *JAK*
Date: 11/21/57

SHELL OIL COMPANY

Scale 1" = 1000'

LOCATION OF NORTH DESERT CREEK 33-11
SAN JUAN COUNTY, UTAH, TR. 77, T.41S., R.23E., S.L.B.M.

922-726

December 6, 1957

Shell Oil Company
101 South Behrend
Farmington, New Mexico

Attention: R. S. MacAlister, Jr.,
Division Exploitation Engineer

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Ratherford (North Desert Creek) 33-11, which is to be located 3452 feet from the west line and 1873 feet from the south line of Section 11, Township 41 South, Range 23 East, SLBM, San Juan County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well is not spudded in within said period.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLYDE R. FREIGHT
SECRETARY

CBF:en

cc: Phil McGrath
USGS, Farmington,
New Mexico

DR-USGS

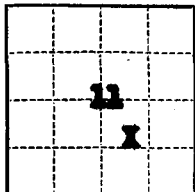
(SUBMIT IN TRIPLICATE)

Indian Agency Navajo

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 14-20-603-246



SUNDRY NOTICES AND REPORTS ON WELLS

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NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January 6, 19 58

North Desert Creek

Well No. 33-11 is located 2073 ft. from ☒ S line and 3452 ft. from ☒ W line of sec. 11

SE 11

(¼ Sec. and Sec. No.)

418

(Twp.)

23E

(Range)

S1EM

(Meridian)

Rutherford

(Field)

San Juan

(County or Subdivision)

Utah

(State or Territory)

The elevation ~~of the wellhead from the benchmark~~ is 4455 ft. (Approx. ground)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

(Spudded 12-31-57)

1-7,8-58 Ran and cemented 8-5/8", 28#, J-55 casing at 1323' with 600 sacks treated cement. Flanged up and united on cement. Tested BOP and casing with 700 psi, 15 min. OK.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 101 South Bakland

Farmington, New Mexico

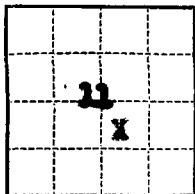
Original signed by
B. W. SHEPARD

By

B. W. Shepard

Title Exploitation Engineer

(SUBMIT IN TRIPLICATE)

Indian Agency NavajoUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYAllottee Tribal LandsLease No. 14-20-603-246

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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

February 3

19 **58**

North Desert Creek
Well No. 33-11 is located 2073 ft. from NE line and 3452 ft. from W line of sec. 11
SE 11 41S 23E S1EM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Rutherford San Juan Utah
(Field) (County or Subdivision) (State or Territory)

Kelly Bushing
The elevation of the ~~datum~~ above sea level is 4466.1 ft.

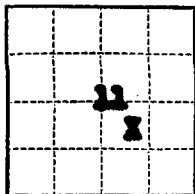
DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DST #1 5445-5493 (Straddle Test) Initial shut in 1/2 hour, open 2 hours.
Very faint air blow through out test. Final shut in 2 hours. Recovered
450' muddy water and watery mud. (Salinity 25,000 PPM) Mud in pits,
16,500 PPM (was 400 PPM) ISIP 2250, IFP 75, FFP 200, 2 hour shut in pressure
1500, still rising, IFP 2700. Bottom packer held.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil CompanyAddress 101 South BahrandFarmington, New MexicoBy B. W. Shepard
Title Exploitation Engineer



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYIndian Agency Navajo
Allottee Tribal Lands
Lease No. 14-20-603-246
71-H
2-17

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
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NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

February 10, 19 58

North Desert Creek
Well No. 22-11 is located 2073 ft. from NE line and 3452 ft. from SW line of sec. 11
SE 11 41 S 23 E S12M
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Rutherford San Juan Utah
(Field) (County or Subdivision) (State or Territory)

Kelly Dushing

The elevation of the ~~surface~~ above sea level is 4466.1 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Status: Depth 5605'Surface casing 8-5/8" at 1323'Hole gauge 7-7/8" from 1340' to 5605'

Proposed Work:

1. Place plugs as follows:
80 sacks cement at 5385'
35 sacks cement at 4350'
40 sacks cement at 1350'
2. Feel for top plug, ^{if} not above 1300'.
3. Plug casing with 10 sack cement cap. Install marker and abandon in accordance with U.S.G.S. regulations.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil CompanyAddress 101 S. BehrendFarmington, N. Mex.Original signed by
By B. W. SHEPARD
B. W. Shepard
Title Exploitation Engineer

SHELL OIL COMPANY

North Desert Creek

WELL NO. 33-11

Ratherford

(FIELD)

DRILLING REPORT

FOR PERIOD ENDING

11

(SECTION OR LEASE)

San Juan, Utah

(COUNTY)

February 5, 1958

T 41 S, R 23 E

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
2-2			DST #1 5445 - 5493. Straddle Cook Testers, two 6-5/8" bobtail packers at 5445 and 5493'. Three pressure recorders, 1 Kuster at 5465, 1 Kuster 5471 and 1 Kuster at 5580'. Initial shut in 30 minutes. Open 2 hours. Final shut in 2 hours, very faint blow throughout test. Recovered 450' muddy water and watery mud, salinity 25,000 ppm, mud before test 16,500 ppm. ISIP 2250, IFP 75, FFP 200, SIP 1500 (still rising). HP 2700.
2-3	5580	5585	Cored 5'. Ran in with core bbl. cut 5' of core, twisted off leaving 4 drill collars and core bbl. in hole, recovered with overshot. Core #1 5580 - 5585'.
2-4	5585	5605	Cored 20'. Core #2 5585 - 5605'.
2-5	5605	TD	Ran Sonic Log and Dipmeter. Plugged as follows: 80 sacks at 5585', 35 sacks at 4350, 40 sacks at 1350, after 5 hours, located top plug at 1254'. Installed marker and a 10 sack cement cap at surface. Released rig and abandoned 12:00 Midnight, 2-5-58. Checked BOP daily.

Mud Summary

Wt. 9.5 - 11#/gal.
Vis. 34 - 49 sec.
WL 10-2 - 40 cc
FC 2/32"

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
11"	0	1323	8-5/8"	1323'
7-7/8"	1323	5605	-	-
DRILL PIPE SIZES 4-1/2"				

Contractor: Great Western Drilling Company

Drillers: A. W. Kirk
L. D. Hughes
L. W. Rambo

B. B. Robinson

SHELL OIL COMPANY

North Desert Creek

WELL NO. 33-11

DRILLING REPORT

FOR PERIOD ENDING

February 1, 1958

11

(SECTION OR LEASE)

T 41 S, R 23 E

(TOWNSHIP OR RANCHO)

atherford

(FIELD)

San Juan, Utah

(COUNTY)

DAY	DEPTHS		REMARKS
	FROM	TO	
			<p><u>Location:</u> 2073' N and 3452' E of SW Corner, Section 11, T41S, R23E, SLBM, San Juan County, Utah.</p> <p><u>Elevations:</u> DF 4464.9' Gr 4457.0' KB 4466.1'</p>
12-31	0	66	Spudded 3:45 P.M., 12-31-57. Set 13-3/8" conductor pipe at 66' with 60 sack cement (treated).
1-1	66	1340	<p>Drilled 1274'. Water flow broke in against 16#/gal. mud at 840'. Drilled to 1340' with water. Ran and cemented (1313') 8-5/8", 28#, J-55 casing at 1323' (Baker stage collar at 500') with 500 sacks 1:1 dramix followed by 100 sacks regular cement treated with 2% calcium chloride, overdisplaced 5 bbls, some cement returns to surface with water flow. Cemented through stage collar at 500' with 700 sacks cement (54 bbls. 16#/gal. mud ahead of slurry) treated with 2% calcium chloride. Good returns to surface. Cement settled back. Cemented from top around outside of 8-5/8" casing with 25 sacks cement. Water broke out around casing after 50 minutes. Shot four 1/2" holes at 495' - strong water flow inside 8-5/8" casing. Squeezed with 300 sacks cement treated with 2% calcium chloride, Pressure 750 psi to 1500 left 30' of cement in casing - shut in with 250 psi.</p> <p>Water continued to flow around outside of 8-5/8" casing. Welded top of 13-3/8" conductor pipe to 8-5/8" casing. Squeezed 85 sacks cement treated with 2% calcium chloride between strings, final shut in pressure 600 psi. <u>Water flow stopped</u>. Waited on cement and flanged up. Cleaned out cement to 1340', pressure tested casing and BOP with 500 psi, OK.</p>
1-10 to 1-27	1340	5129	<u>Drilled 3789'</u> . Lost cone at 5129', recovered with magnet.
1-28 to 1-31	5129	5580	<u>Drilled 451'</u> .
2-1	5580		Ran Induction Electrical Survey, Gamma Ray-Neutron, & Microlog.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
DRILL PIPE SIZES				

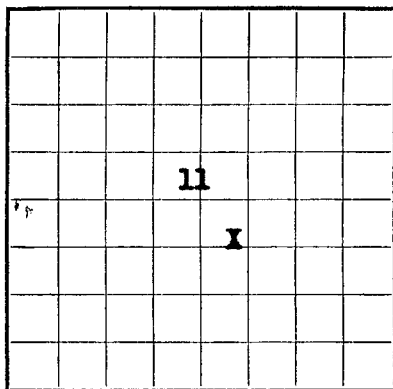
B. B. Robinson

U. S. LAND OFFICE Window Rock, Ariz.SERIAL NUMBER 14-20-603-246

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



LOCATE WELL CORRECTLY

Company Shell Oil Company Address 101 S. Behrend, Farmington, New Mexico
Lessor or Tract Tribal Land North Desert Creek Field Ratherford State Utah
Well No. 33-11 Sec. 11 T. 41S R. 23E Meridian SLEM County SAN JUAN
Location 2073 ft. N. of S Line and 3452 ft. E. of W Line of Section 11 Elevation 4466' KB
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed BWSDate March 3, 1958 Title Exploitation Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling December 31, 1957 Finished drilling February 4, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

None

No. 1, from _____ to _____ No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8"	28	8	-	1313	Baker	--	-	-	Surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	1323	500 Diamix + 1210	Displacement	--	--

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

FOLD MARK

FOLD MARK

8-5/8"	1323	500 Diamix + 1210	Displacement	--	--

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 5605 feet, and from -- feet to -- feet

Cable tools were used from -- feet to -- feet, and from -- feet to -- feet

Abandoned as a dry hole

DATES

February 5, 1958 Put to producing _____, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

A. W. Kirk _____, Driller L. W. Rambo _____, Driller

L. D. Hughes _____, Driller _____, Driller

FORMATION RECORD

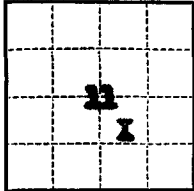
FROM—	TO—	TOTAL FEET	FORMATION
1325	2033	608	Chinle
2033	2141	708	Shinarump
2141	2275	134	Moenkopi
2275	4311	2036	Autler
4311	5421	1110	Upper Hermosa
5421	--	--	Paradox

[OVER]

16-43094-4

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee Tribal Lands

Lease No. 14-20-603-246

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NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 7, 19 58

North Desert Creek

Well No. 33-11 is located 2073 ft. from N line and 3453 ft. from W line of sec. 11

SE 11
(1/4 Sec. and Sec. No.)

41S
(Twp.)

23 E
(Range)

SLEM
(Meridian)

Ratherford
(Field)

San Juan
(County or Subdivision)

Utah
(State or Territory)

The elevation of the kelly bushing above sea level is 4466.4 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

- Plugged as follows:
 - 80 sacks (5350-5585)
 - 35 sacks (4245-4350)
 - 40 sacks (1254-1350)
- Located top of top plug at 1254'.
- Installed marker and a 10 sack cement cap at surface and abandoned 2-5-58.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 705 West Municipal Drive

Farmington, New Mexico

Original signed by
B. W. SHEPARD

By _____

Title B. W. Shepard
Exploitation Engineer